

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-35. (Cancelled)

36. (New) A computer-implemented method for providing mediated information about a current user state that is modeled with multiple state attributes, comprising:

receiving from a first source an indication of a first value for an indicated one of the state attributes of the modeled current user state;

receiving from a second source an indication of a second value for the indicated state attribute;

after an indication from a client for a value for the indicated state attribute wherein the client indication is a request for the value for the indicated state attribute, and after receiving the request from the client and before the sending of the produced mediated value, determining for each of the first and second values whether the respective value satisfies an indicated criteria;

when it is determined that neither of the first and second values satisfy the indicated criteria, requesting at least one of the first and second sources to supply at least one additional value for the indicated state attribute that satisfies the indicated criteria;

receiving the at least one additional value for the indicated state attribute that satisfies the indicated criteria;

producing a mediated value to be sent to the client by mediating between the received at least one additional value; and

sending to the client the mediated value for the indicated state attribute.

37. (New) The method of claim 36 wherein the indicated state attribute represents

information about a user of the computer.

38. (New) The method of claim 37 wherein the represented information reflects a modeled mental state of the user.

39. (New) The method of claim 36 wherein the indicated state attribute represents information about a physical environment of a user of the computer.

40. (New) The method of claim 36 wherein the indicated state attribute represents information about a cyber-environment of a user of the computer.

41. (New) The method of claim 36 wherein the indicated state attribute represents information about the computer.

42. (New) The method of claim 36 wherein the indicated state attribute represents a current prediction about a future user state.

43. (New) The method of claim 42 wherein the client indication is an indication of an interest in receiving values for the indicated state attribute, and wherein the produced mediated value is pushed to the client in response to the receiving of at least one of the first and second values.

44. (New) The method of claim 42 wherein the client indication is a request for the value for the indicated state attribute, and including requesting the first and second sources to supply the first and second values in response to the receiving of the request.

45. (New) The method of claim 36 wherein the client indication is a request for the value for the indicated state attribute, and wherein the sending of the produced mediated value is in response to the receiving of the request.

46. (New) The method of claim 36 wherein the criteria is indicated by the client.

47. (New) The method of claim 36 wherein the criteria for the value is based on precision of the value.

48. (New) A computer-implemented method that facilitates inferring or determining user state, comprising:

receiving sensor information relating to a user;

using the received sensor information to infer or determine cognitive load of the user; and

attenuating confidence level associated with received information as a function of time.

49. (New) The method of claim 48, comprising mediating values received from disparate sensors.

50. (New) The method of claim 49, comprising factoring uncertainty associated with particular values as part of the mediation of values.

51. (New) The method of claim 49, comprising using a state attribute value to validate veracity of another state attribute value.

52. (New) The method of claim 48, comprising valuing respective received information as a function of source of the information.

53. (New) The method of claim 48 further comprising inferring or determining user physiological state from the received sensor information.